



Analytical Laboratory
13339 Hagers Ferry Road
Huntersville, NC 28078-7929
McGuire Nuclear Complex – MG03A2
Phone: 704-875-5245 Fax: 704-875-4349

Job Summary Report

Job Number: 09-OCT-0029

Project Name:	NPDES 1 st Week
Customer Name:	J.R. Wood
Copy To:	Sue Wallace
Customer Address:	Miami-Fort

Lab Contact:	Therona James
Lab Contact Phone:	704-875-4795

Report Authorized By:
(Printed Name)

THERONA JAMES

Report Authorized By:
(Signature)

Therona James

Date: 10/16/09

Data Package

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical Laboratory with any questions. The order of individual sections within this report is as follows:

Job Summary Report
Analytical Laboratory Certificate of Analysis
Analytical Laboratory QC Reports (if applicable)
Sub-contracted Laboratory Results
Customer Specific Data Sheets, Reports & Documentation (if applicable)
Customer Database Entries
Test Case Narratives
Chain of Custody (COC)



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Job Summary Report

Certification

The Analytical Laboratory holds the following Certifications:

New York State Department of Health Certification # 11717(NELAC)
North Carolina Department of Health & Human Services Certification # 37804
South Carolina (DHEC) Laboratory ID # 99005
North Carolina (DENR) Certification # 248

Analytical results listed in this report may not be certified by the authorities referenced above. Contact the Analytical Laboratory for definitive information about the certification status of specific methods. The results meet all requirements of NELAC except where deviations are noted in this report.

Data Flags

Any analytical tests or individual analytes within a test flagged with an “X” or a “1” indicate a deviation from the method quality system or quality control requirement.

Calculations

All results are reported on a wet weight basis unless otherwise noted.

Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date	Collected By	Sample Description
29023536	MIAMI FORT	10/05/2009	MJH	OUTFALL 002
29023538	MIAMI FORT	10/05/2009	MJH	OUTFALL 608
<hr/>				
2 TOTAL SAMPLES				

Job Summary Report

Validation of Analytical Data Package

**Certificate of Laboratory Analysis**

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MIAMI FORT

Job # 09-OCT-0029

2 Samples
17 Tests
Included in this ReportLab ID: **29023536** Sample Desc: **OUTFALL 002**

Sample Collected: 10/5/2009 10:40:00

Collected By: MJH

Customer ID: WOOD/WALLACE

Date Initiated in Lab: 10/1/2009 08:57:17

TOTAL DISSOLVED SOLIDS (EPA)

Data Posted: 10/9/2009 11:38:19

Method: SM2540D

TDS 1100 mg/L

Reporting Limit Flag

10 0

Lab ID: **29023538** Sample Desc: **OUTFALL 608**

Sample Collected: 10/5/2009 09:40:00

Collected By: MJH

Customer ID: WOOD/WALLACE

Date Initiated in Lab: 10/1/2009 09:00:38

ALKALINITY (FIXED END POINT 4.5)

Data Posted: 10/9/2009 09:54:04

Method: SM2320B

ALKALINITY 900 mg-CaCO₃/LReporting Limit Flag

0.10 0

ARSENIC BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:47

Method: EPA 200.8/6020

ARSENIC < 1.00 ug/L

Reporting Limit Flag

1.00 0

BARIUM BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:48

Method: EPA 200.8/6020

BARIUM 7.70 ug/L

Reporting Limit Flag

1.00 0

BORON BY ICP (DIGESTED)

Data Posted: 10/13/2009 13:40:41

Method: EPA 200.7/6010B

BORON 300 mg/L

Reporting Limit Flag

5.00 0

CADMIUM BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:49

Method: EPA 200.8/6020

CADMIUM < 1.00 ug/L

Reporting Limit Flag

1.00 0

CHLORIDE (IC)

Data Posted: 10/14/2009 07:17:44

Method: EPA 300.0

CHLORIDE 6600 mg/L

Reporting Limit Flag

500 0

CHROMIUM BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:50

Method: EPA 200.8/6020

CHROMIUM < 1.00 ug/L

Reporting Limit Flag

1.00 0

COPPER BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:51

Method: EPA 200.8/6020

COPPER < 1.00 ug/L

Reporting Limit Flag

1.00 0

FLUORIDE (IC)

Data Posted: 10/14/2009 07:17:45

Method: EPA 300.0

FLUORIDE 13 mg/L

Reporting Limit Flag

10 0

IRON BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:52

Method: EPA 200.8

IRON 15.1 ug/L

Reporting Limit Flag

1.00 0



Certificate of Laboratory Analysis

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MIAMI FORT

Job # 09-OCT-0029

2 Samples
17 Tests
Included in this Report

Lab ID: **29023538** Sample Desc: **OUTFALL 608**

Sample Collected: 10/5/2009 09:40:00

Collected By: MJH

Customer ID: WOOD/WALLACE
Date Initiated in Lab: 10/1/2009 09:00:38**LEAD BY ICP-MS (DIGESTED)**

Data Posted: 10/14/2009 13:32:53

Method: EPA 200.8/6020

LEAD < 1.00 ug/L

<u>Reporting Limit</u>	<u>Flag</u>
1.00	0

MANGANESE BY ICP (DIGESTED)

Data Posted: 10/13/2009 13:40:41

Method: EPA 200.7/6010B

MANGANESE 0.106 mg/L

<u>Reporting Limit</u>	<u>Flag</u>
0.00500	0

SULFATE (IC)

Data Posted: 10/14/2009 07:17:46

Method: EPA 300.0

SULFATE 6300 mg/L

<u>Reporting Limit</u>	<u>Flag</u>
500	0

TOTAL DISSOLVED SOLIDS (EPA)

Data Posted: 10/9/2009 11:38:20

Method: SM2540D

TDS 25000 mg/L

<u>Reporting Limit</u>	<u>Flag</u>
10	0

TOTAL SUSPENDED SOLIDS (EPA)

Data Posted: 10/7/2009 17:41:49

Method: SM2540D

TSS 22 mg/L

<u>Reporting Limit</u>	<u>Flag</u>
4.0	0

ZINC BY ICP-MS (DIGESTED)

Data Posted: 10/14/2009 13:32:53

Method: EPA 200.8/6020

ZINC < 2.00 ug/L

<u>Reporting Limit</u>	<u>Flag</u>
2.00	0

